

ICT ENABLED TOOLS 2019-2020

DEPARTMENT OF ENGLISH

Students centric method of teaching learning

Organising Department: ENGLISH

Academic Session: 2019-2020

Report on ICT

Type of the Activity: ICT Offline &(online)

Objective of the Event

1. To teach the students in a much more interesting way through the use of technology
2. To conduct classes regularly during lockdown

Date: 20.11.2019, 24.09.2019 **In addition to offline classes, ICT classes were conducted as per routine during lockdown on Zoom platform.** i Time of the Event: i. 11.45 am ii. 12.30pm

Number of attendees: (a) Student (mention semester): All students of Semester I & III

(b) Teacher: 07

Venue: Nb 8, NB 8-9

Outcome:

- The teaching learning process was more engaging and interesting
- With the use of technology, teachers created more interactive and engaging sessions that cater to different learning styles.
- Student centric and more effective

DEPARTMENT OF ENGLISH

2019-2020

During Lockdown period all classes were held on Zoom platform as per routine

ICT used to interact with the students of English Hons (for Quiz Contest held on 20.11.19) for Semester 1 students



ICT used during Extension lectures on 24.09.2019 for all students



DEPARTMENT OF HISTORY

ICT

2019-20 Session

Report onReport on ICT....

Type of the Activity: ICT

Objective of the Event

Date: **April 2020 onwards due to lockdown took online class via Google meet and YouTube video as per the Routine**

Number of attendees: (a) Student (semester I, II, III, IV, V, VI):

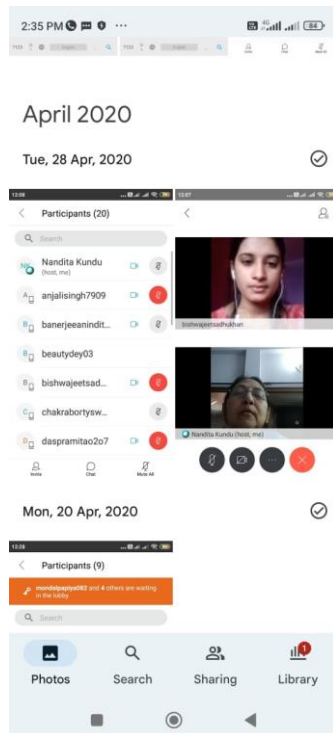
(b) Teacher: 4

Venue: Online from Home

Speakers (if any) :

Outcome: **They got knowledge what is online? what is communication system? How you they can read and write online?**

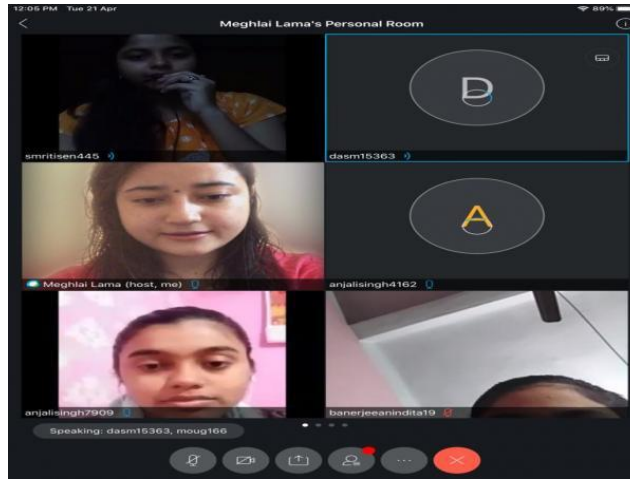
Attach notices, photos, attendance sheet, speakers



NK, HISA-CC-8, Semester-4

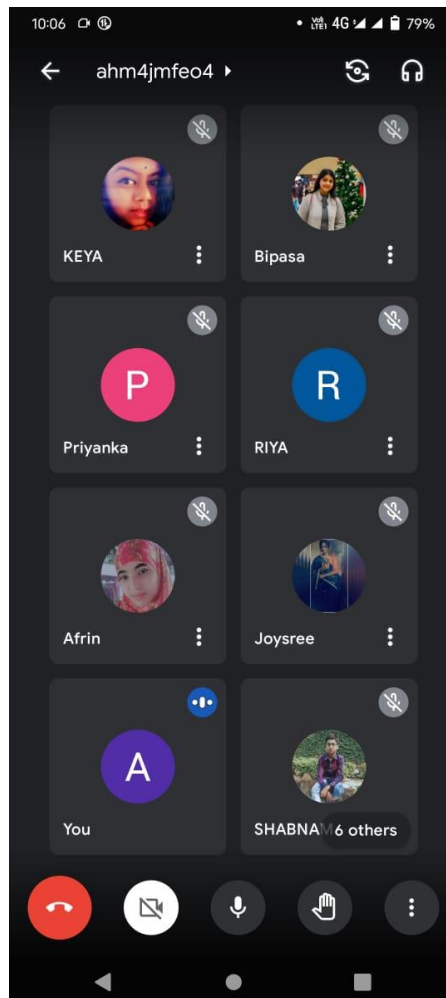
Topic: Mercantilism

Soma Roy
Principal
Serampore Girls' College
Serampore, Hooghly



ICT Class: by ML Paper: HISA CC7, 4th sem ,

Topic: Rise of Surat



AC; Smester:4, Paper-CC/GE-4

DEPARTMENT OF POLITICAL SCIENCE

Students centric method of teaching learning

Organising Department: POLITICAL SCIENCE Academic Session: 2019-2020

Report on PROBLEM SOLVING METHODOLOGY

Type of the Activity: ICT

Objective of the Event:

This documentary show, Equal half was intended to create social awareness amongst students.

Date: 5th March 2020

Time of the Event: 11.30 AM

Number of attendees: (a) Student (mention semester): students of all semester

(b) Teacher:

Venue: VB3

Outcome:

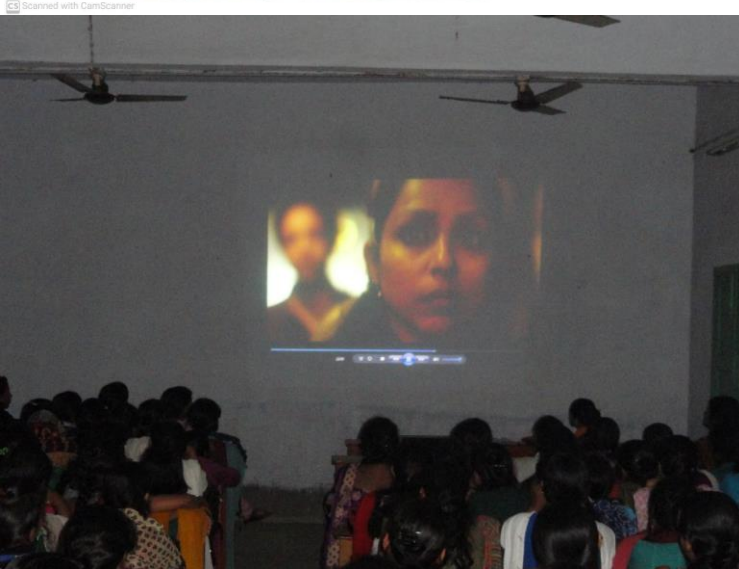
The ICT class was quite helpful for the students- since they were able to get a clear idea of the Conceptual ground social issues and contemporary social problems.

NOTICE 26-02/2020

The department of Technical service is organizing an Academic Quiz for 2nd & 4th sem B.Tech students on 5th March 2020 at 11:30 am + 12:30 PM respectively at R6-19 & student council on 12-03-20. Attendance is Mandatory.

~~Principals~~
26/2/20

Principals
26/2/20



NOTICE AND PHOTOS

Students centric method of teaching learning

Organising Department: POLITICAL SCIENCE Academic Session: 2019-20

Report on PROBLEM SOLVING METHODOLOGY

Type of the Activity: ICT

Objective of the Event:

This ICT Class was conducted – through online mode- during the class timing of the all semester students.

Date: Academic session 2019-20

Time of the Event: during class time.

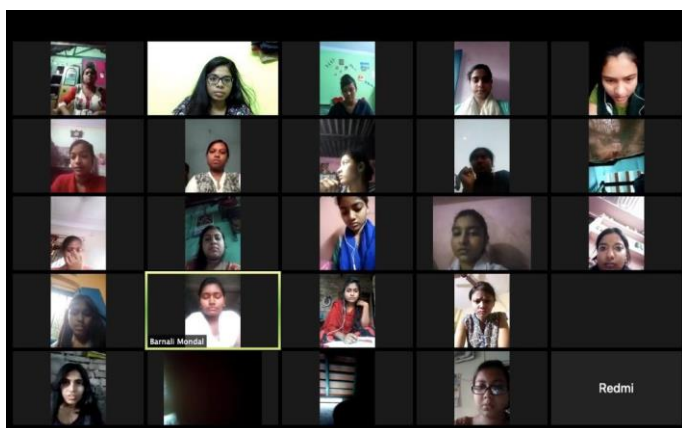
Number of attendees: (a) Student (mention semester): students of all semester

(b) Teacher: SKD, URB. PB, MND

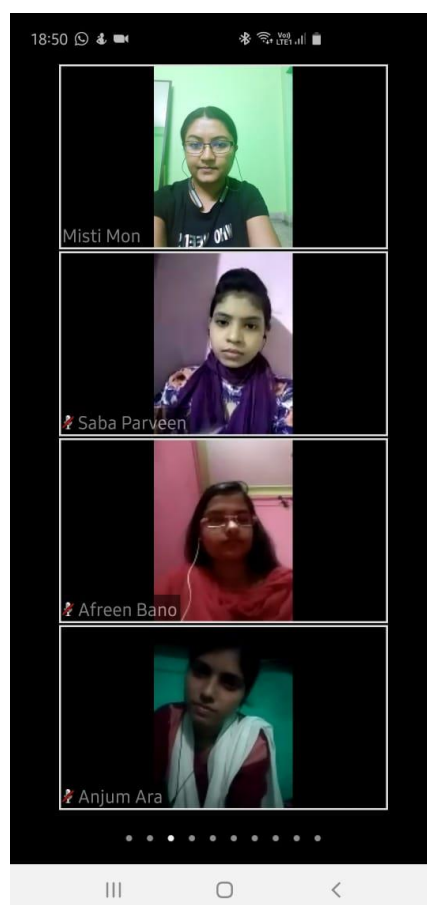
Venue: DEPARTMENTAL CLASSROOMS

Outcome:

The ICT class was quite helpful for the students- since they were able to get a clear idea of the Conceptual ground of International Relations. Along with that since they have 10 marks and 15 marks question- with the restriction of 100 and 500 word limit- so such focused presentation was essential for them to write a concise yet informative answer.



ONLINE CLASSES PHOTOS



DEPARTMENT OF SOCIOLOGY

Notice for Showing Film Show for Students

SERAMPORE GIRLS' COLLEGE (Estd. : 1981)

Department of SOCIOLOGY

13, T. C. GOSWAMI STREET, SERAMPORE, HOOGHLY. PIN-712 201, WEST BENGAL.

Ref. No.

Date.....

Date - 4/11/2019

NOTICE

This is to inform that Film Show programme will be held on 11/11/2019. All students of the Department of Sociology should be present positively.

Venue - Room No. NB 8 & NB 9

Time - 2 P.M

Movie Name - Mahanagar

Susanti Chatterjee
Signature 4/11/19

HOD. Department of Sociology

Film Show : Students Actively Participate



ICT Class



- The teachers of the Department of Sociology take ICT classes on a regular basis.

DEPARTMENT OF PHYSICAL EDUCATION

Students centric method of teaching learning

Organising Department: Physical Education

Academic Session: 2019 -2020

Report on..... ICT

Type of the Activity: ICT

Objective of the Event: Use advanced technology and equipment in classrooms to give students a better learning experience..

Date: 7.04.2020 **Time of the Event:** 09.00 am

Number of attendees: Sem IV - 32

Teacher: 1(Mrs. Tania Nag)

Venue: Online Google Meet

Outcome: 1) They can learn from their home. 2) They can use the new technology (online mode). 3) They may gather their knowledge from searching different website and learn the uses and abuses of social media etc.

Online class details:

07/04/2020

Tania Nag is inviting you to a scheduled Zoom meeting.

Topic: Tania Nag's Personal Meeting Room

Join Zoom Meeting

<https://us04web.zoom.us/j/9225575579?pwd=SkNhTmxVbU1uc0ZPQmd3amFtU nhtQT09>

Meeting ID: 922 557 5579

Password: 01122019

Report format of Students centric method of teaching learning

Organising Department: Physical Education

Academic Session: 2019 -2020

Report on..... ICT

Type of the Activity: ICT

Objective of the Event: Use advanced technology and equipment in classrooms to give students a better learning experience.

Date: 10.04.2020 **Time of the Event:** 12.00 pm

Number of attendees: Sem II - 28

Teacher: 1(Mrs. Sayanti Banerjee)

Venue: Online Google Meet

Outcome: 1) They can learn from their home. 2) They can use the new technology (online mode). 3) They may gather their knowledge from searching different website and learn the uses and abuses of social media etc.

Online class details:

10/04/2020

Sayanti Banerjee is inviting you to a scheduled Zoom meeting.

Topic: Sayanti Banerjee's Personal Meeting Room

Join Zoom Meeting

<https://us04web.zoom.us/j/9888505527>

Meeting ID: 988 850 5527

Password - 1XF5nL

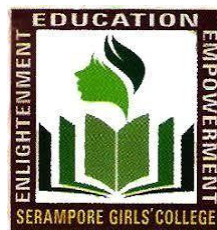
DEPARTMENT OF GEOGRAPHY

SERAMPORE GIRLS' COLLEGE

(Affiliated to University of Calcutta)

Department of Geography

Serampore Girls' College, 13, T.C. Goswami
Street, Serampore, Hooghly - 712201, West
Bengal

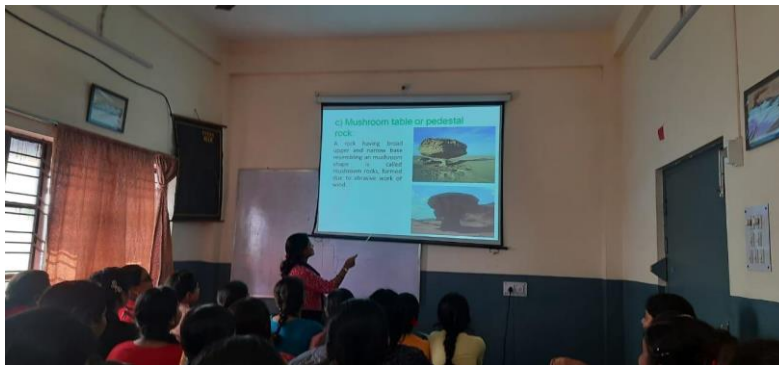


2.3.2 USING ICT

Department: Geography
Session - 2019-2020

Class room with ICT Facility.

Objective: Teachers of the Department of Geography use information communication and technology (ICT) tools for effective teaching and learning in the classroom. With the intention to develop critical and innovative thinking and brainstorming, teachers use ICT tools including E-resources, techniques like Google Classroom, Google Meet PPT slide, and What's app.



**Geography Classroom: Types of ICT facilities: Projector,
Wi-Fi, Laptop Room No: SV35&SV34
Geography GIS Lab room: Computer,**



During the Covid 19 Pandemic, the college was closed and classes were on hold so, in order to complete the syllabus, the department started using Google Classroom, Google Meet,

Zoom App etc. The Competency level of both teachers and students has enhanced with the active participation in the classroom.

Google Classroom

Google Classroom facility is used by the faculty. Students are enrolled in google classrooms. Course syllabus, Teaching-learning material, maps, assignments, project reports, and PowerPoint presentations are shared through google classroom. Students also share their work through this classroom.

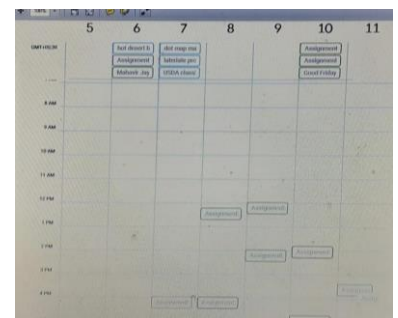
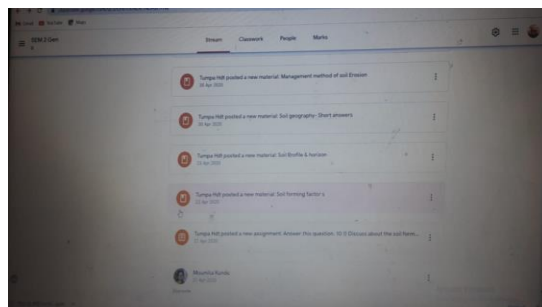
Sem2 Hons : <https://classroom.google.com/c/NTUxODA0MTc3ODNa?cjc=cyyjvva>

Sem4 Hons: <https://classroom.google.com/c/NTUxODlyODq1MDRa?cjc=asdquoj>

SGC OFFICIAL : <https://classroom.google.com/c/MTE2NTY0MzAzMzc0?cjc=t5k77zd>

3rd year hons2019: <https://classroom.google.com/c/NjxzMzE0NjExNjda?cjc=nhrh64h>

STUDY MATERIALS UPLODED BY TEACHERS IN GOOGLE CLASSROOM

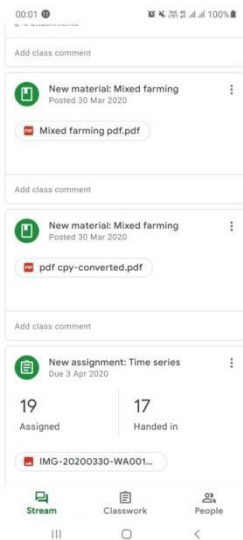


Using Google calendar for class record

Stream	Classwork	People	Marks
Mishika Choudhury	70	Staff	Staff
Mousumi Petre	70	4.5 Staff	Missing 10 Staff
Moufud Daw	70	6 Staff	4.5 Staff 13 Staff
Sangeeta Perin	70	4.5 Staff	Missing 9 Staff
Pragathi Blue	70	4.5 Staff	4.5 Staff 11.5 Staff
Puja Chakraborty	70	4 Staff	6 Staff 10 Staff
Soma Soman	70	4.5 Staff	4.5 Staff 9 Staff
Riya Mondal	70	4.5 Staff	9 Staff 10.5 Staff
Di Shome	70	Missing	Missing 2 Staff
Shradha Das	70	Missing	4.5 Staff 10 Staff
Snehal Math	70	Missing	Missing 7 Staff
Sneha Chakraborty	70	Missing	Missing 7 Staff
Sneha Mallick	70	Missing	Missing 7 Staff
SARITA CHAKRA	70	6 Staff	Staff 10 Staff

Stream	Classwork	People	Marks
By date tests	28 Apr	28 Apr	28 Apr
Assess	28 Apr	28 Apr	28 Apr
Start by students	out of 10	out of 10	out of 10
Class average			
Ananya Ghosh	70	5.5 Staff	Missing 9 Staff
ANANYA PAUL	70	4.5 Staff	9 Staff 13 Staff
Ananya Thakur	70	4.5 Staff	4.5 Staff 7 Staff
Aparna Prasad	70	4.5 Staff	4.5 Staff 6 Staff
Arindam Das	70	4 Staff	4 Staff 7.5 Staff
Debasmita Das	70	4.5 Staff	4.5 Staff 11 Staff
Debangana Ghosh	70	Missing	9 Staff 11 Staff
Parvati Mondal	70	6 Staff	6 Staff 11 Staff
Parvati Mondal	70	4.5 Staff	Missing 10 Staff
Sahana Paul	70	4.5 Staff	4.5 Staff 9 Staff
Jayashree Ghosh	70	4.5 Staff	4.5 Staff 10 Staff

Stream	Classwork	People	Marks
Sangeeta Das	70	Staff	Staff
Moufud Daw	70	Missing	Missing 10 Staff
Sneha Das	70	4.5 Staff	Missing 10.5 Staff
Snehal Das	70	9 Staff	70 Staff 9 Staff
Sushmita Mondal	70	4.5 Staff	4.5 Staff 10 Staff
Sushmita Choudhury	70	9 Staff	4.5 Staff 8.5 Staff
Snehal Das	70	4.5 Staff	Missing 10 Staff
Tanya Koley	70	4 Staff	4 Staff 9 Staff
Sushmita Mondal	70	4.5 Staff	Missing 10 Staff



Study Material and Assignment



Notice in Google Classroom



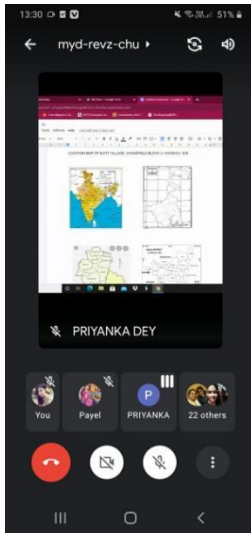
Using What's' app

Google Meet:

Google Meet facility is used by the faculty. Students are entered into Google Meet through the link shared by our teachers. All Teachers took classes for 1 hrs in Google Meet. Teachers presented their topic through PowerPoint presentations or lecture methods, Students also shared their work through this interaction in Google Meet.



4th sem hors Classe was taken by teacher Moumita Kundu in google meet



4th sem Hons Classe was taken by teacher Priyanka Dey in google meet through an online Powerpoint presentation

Outcome:

- The use of ICT reduced irregularity or low attendance.
- Upgrading the use of teaching-learning material from traditional to the modern use of ICT tools helps and prepares students to cope with the trend of the 21st century.
- The pandemic has significantly changed the way students are taught. The physical classes in the colleges have been replaced by online live/recorded sessions at home. And smart/mobile phones have taken the place of books.
- It helps teachers and students both for self-learning and developing confidence.

DEPARTMENT OF ELECTRONICS

ICT

Electronic Science (Partly Online Classes)

Year- 2019-2020

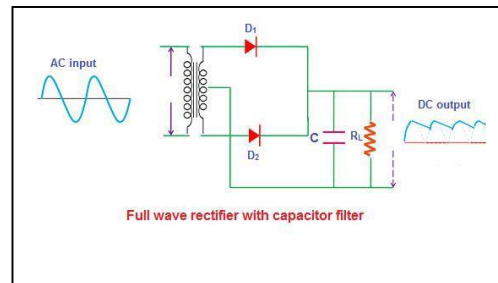
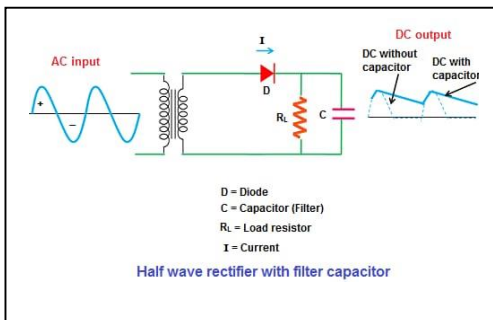
Google meet link for semester -II, IV

<https://meet.google.com/ekz-zmzh-axe>

<https://meet.google.com/www-kmte-nzr>

<https://meet.google.com/ner-knti-nzh>

Study materials



1. Fixed Bias

Figure 8.3 shows the fixed bias arrangement for an *n-p-n* transistor operating in the CE mode. The single source of voltage V_{CC} makes the emitter-base junction forward-biased and the collector-base junction reverse-biased. It also supplies the quiescent base and collector currents.

Fig 8.3 Fixed bias for CE mode

If R_B is the resistance connecting the base to the positive pole of the voltage source V_{CC} , and V_{BE} is the base-emitter voltage drop, the quiescent base current is

$$I_B = \frac{V_{CC} - V_{BE}}{R_B} \quad (8.5)$$

As V_{CC} is a few volts and V_{BE} is a fraction of a volt, we have $V_{CC} \gg V_{BE}$. Therefore $I_B \approx V_{CC}/R_B$. As the base current is primarily fixed by V_{CC} and R_B , the circuit is known as a *fixed-bias* circuit.

The quiescent point is usually selected in the active region of the characteristics. The collector current is then given by

$$I_C = \beta I_B + (\beta + 1) I_{C0} \quad (8.6)$$

$$= \beta \frac{V_{CC} - V_{BE}}{R_B} + (\beta + 1) I_{C0} \quad (8.6a)$$

The stability factors are obtained from Eq. (8.6a) as

$$S = \frac{\partial I_C}{\partial I_{C0}} = \beta + 1. \quad (8.7)$$

TE 9
AMERA

$$S' = \frac{\partial I_C}{\partial V_{BE}} = -\frac{\beta}{R_B}$$

$$S'' = \frac{\partial I_C}{\partial \beta} = \frac{V_{CC} - V_{BE}}{R_B} + I_{C0}$$

$$\approx \frac{V_{CC}}{R_B} + I_{C0}$$

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Principal
Serampore Girls' College
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Serampore Girls' College

13, T.C. Goswami Street, Serampore, Hooghly – 712201, West Bengal

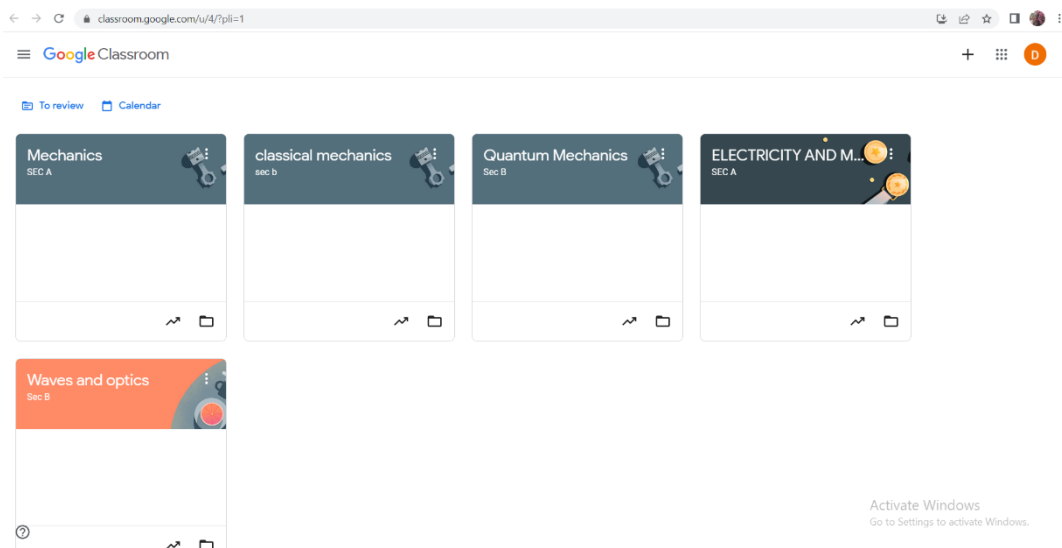
Re- Accredited by NAAC : Grade B (2nd Cycle)

Email: Serampore_girls_college@yahoo.co.in

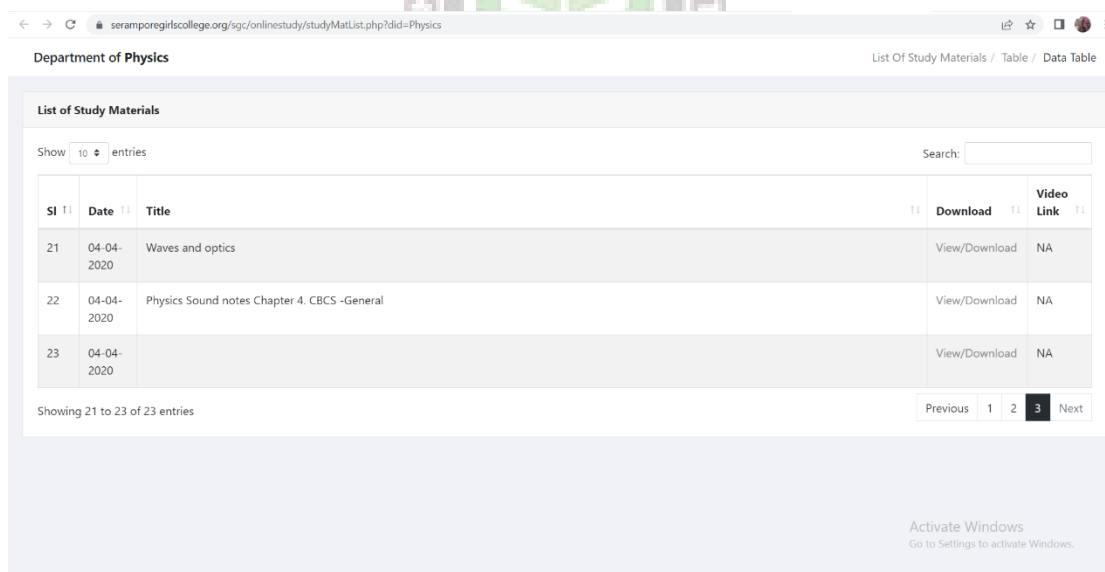
www.seramporegirlscollege.org

PHYSICS DEPARTMENT

ICT CLASS USING GOOGLE CLASSROOM (LMS)



Screenshot of Google Classroom used by Dept of Physics for Different courses



Department of Physics Class notes uploaded in College Website

Serampore Girls' College

13, T.C. Goswami Street, Serampore, Hooghly – 712201, West Bengal

Re- Accredited by NAAC : Grade B (2nd Cycle)

Email: Serampore_girls_college@yahoo.co.in

www.seramporegirlscollege.org

PRACTICAL CLASSES USING VIRTUAL LAB

An Initiative of Ministry of Education Under the National Mission on Education through ICT

The screenshot shows a web browser window with the URL vlab.amrita.edu/index.php?sub=1&brch=194&sim=548&cnt=4. The page title is "Black Body Radiation: Determination of Stefan's Constant". Below the title is a navigation bar with icons for Theory, Procedure, Self Evaluation, Simulator, Assignment, Reference, and Feedback. The main content area features a blue header "Black Body Radiation" and a central image of a laboratory setup. The setup includes a black body cavity, a thermocouple, a voltmeter, and a digital display showing "00:00:00:000". A copyright notice at the bottom reads "Copyright © Amrita University 2009 - 2015".

Thermodynamics practical using Virtual Lab (SEM III)

The screenshot shows a web browser window with the URL vlab.iitkgp.ernet.in/be/exp18/rcintegrator_opamp.html. The page title is "Integrator using Opamp". The interface includes a "Virtual Labs" logo, a navigation bar with "INSTRUCTION" and "OSCILLOSCOPE" tabs, and a "CIRCUIT" section. The circuit diagram shows an operational amplifier (Opamp) configured as an integrator. It includes a square wave input, a resistor (R), a capacitor (C), and an oscilloscope output. The circuit is connected to a ground (Gnd). The "CONTROLS" section features a slider for "Volt(V)/div" and a "Check connection" button. A copyright notice at the bottom reads "Copyright © Amrita University 2009 - 2015".

Integrator Circuit using OPAMP Digital electronics practical (SEM V)